

Computer Programming *II*



Dr. Binnur Kurt

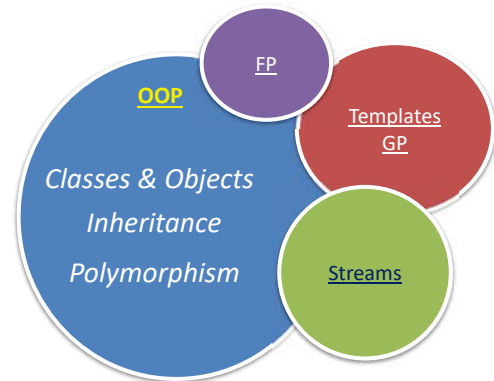
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Purpose of the Course

- > To introduce several programming paradigms including Object-Oriented Programming, Generic Programming, Functional Programming
- > To show how to use these programming schemes with the C++ programming language to build “**good**” applications.

Course Overview

1. C++: A Better C
2. Classes and Objects
3. Constructors and Destructors
4. Operator Overloading
5. Inheritance
6. Pointers to Objects
7. Polymorphism
8. Templates
9. The Standard Template Library (STL) and Functional Programming
10. Multithreading
11. Regular Expressions and File Operations



Course Information

> Duration

14 Weeks

> Course Hours

Wednesday 16:30-18:30

Grading

- > 1x Midterm %20
- > 4x Homework Each one is %10
- > 1x Final %40

Background

- > **1995**, B.Sc., ITU Computer Engineering
- > **1997**, M.Sc., ITU Computer Engineering
- > **2007**, Ph.D., ITU Computer Engineering
- > **1995-2003**, RA, *ITU CE*
- > **2004-2008**, Lecturer, ITU CE
- > **2008-2017**, Consultant and Trainer,
Omega Training & Consultancy
- > **2018-to date**, Founder & CEO , DEEP**CLOUD**LABS
<https://www.deepcloudlabs.com>
- > **2022-to date**, Director of Big Data Education and Research Center, BAU
- > **2022-to date**, Asst. Prof., AI Engineering Department, BAU

Areas of Interest

- > Java Desktop and Enterprise Technologies
- > Spring Framework: Spring Data, Spring MVC, Spring Boot
- > MySQL, MySQL Cluster, MongoDB
- > Messaging Systems: Apache Kafka, RabbitMQ
- > Oracle Fusion Middleware Technologies: SOA, BPM, OSB
- > Big Data and Machine Learning
- > Algorithmic Trading & High-frequency Trading
- > Blockchain Technologies
- > Digital Image & Video Analysis and Processing
- > Real-Time Computer Vision Systems

Trainings Offered

Big Data Machine Learning



Programming



Database Messaging



Application Servers



Frameworks



My Certifications



Contact

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